

Lead
Statement
of Hqs
54, 55, 56



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ASBESTOS SAMPLING REPORT

(McDONALD DOUGLAS)
(BONRYARD BUILDINGS, 54, 55, 56)

PREPARED FOR:

STEPHEN L. WALRAVEN

TRI-STATE RESTORATIONS

PREPARED BY:

MICHAEL REZVANI, REA, CAC
PRINCIPAL CONSULTANT

JULY 5, 1998



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July 5, 1998
Project No. ES98-038

Mr. Steve Walraven
Tri-State Restorations, Inc.
591 South State College Boulevard
Fullerton, California 92831

Asbestos Sampling Report
McDonald Douglas
Torrance
Boneyard Buildings 54, 55, 56

Dear Mr. Walraven:

This letter report presents in the chart below the results of the bulk samples collected from the three subject buildings at the subject site on July 1, 1998. This work was performed in accordance with your request for our asbestos consulting services.

The subject property consists of three detached rectangular buildings of different size. The buildings are numbered 54, 55, and 56 and the size of the buildings increase respectively. The buildings are typical of wood framed design with pitched roofs and built on concrete floors. The architecture and building materials indicate the structures built circa 1940. The building materials observed can be described as; exterior materials such as window duddy, roofing felt and shingles. The interior building materials were observed to be drywall and drywall mud, plaster, acoustical materials on ceilings, floor tiles, and floor mastic.

During our sampling process, we collected fifteen (15) bulk samples from different homogeneous and non-homogeneous materials throughout the subject buildings. We transported the samples with a chain of custody to EMS laboratories, Inc. in Pasadena, California to be analyzed by Polarized Light Microscopy (PLM) method (EPA 600/M4-82-020) for detection of asbestos content. The results are presented as follows;

Sample No.	Sample Type	Location	Condition	Area	Asbestos %
01	12x12 floor tiles	bldg. 54	fair	1,500 ft2	0%
02	floor mastic	bldg. 54	fair	1,500 ft2	< 1%
03	spray ceiling acoustics	bldg. 54	damaged	1,600 ft2	0%
04	spray ceiling acoustics	bldg. 54	damaged	1,600 ft2	0%
05	drywall on walls	bldg. 54	damaged	n/a	0%
06	drywall mud	bldg. 54	good-fair	n/a	0%
07	floor baseboard	bldg. 54	damaged	n/a	0%
08	window puddy	bldg. 54	damaged	n/a	0%
09	mold gasket	boneyard	damaged	n/a	0%

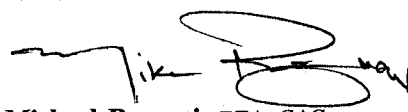
10	roof felt/cap	bldg. 54	damaged	2,000 ft2	0%
11	roof felt/cap	bldg. 54	damaged	2,000 ft2	0%
12	spray ceiling acoustics	bldg. 54	damaged	1,600 ft2	0%
13	drywall ceiling	bldg. 55	damaged	n/a	0%
14	window puddy	bldg. 55	damaged	n/a	0%
15	window puddy	bldg. 56	damaged	n/a	0%

The exterior building materials in all three buildings were observed to be identical. The interior of the building #55 was limited in materials to drywall ceilings. The interior of the building #56 was nothing more than the concrete floor with no ceiling materials (the wooden roof deck was exposed). The only positive asbestos PLM result was found in the remaining floor mastic in building #54. The result indicates asbestos at less than 1% (<1%) by weight. It is possible that further sampling of this materials may indicate 1% or greater than 1% asbestos by weight in other areas of the floor. It is thus our recommendation to treat and handle this layer of mastic wherever encountered as asbestos containing and remove it accordingly prior to any demolition.

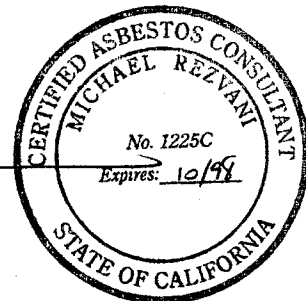
The demolition and disposal process of the mastic in building 54 must be performed in accordance with guidelines of 29-CFR 1926.1101 for removal of non-friable materials.

Should you have any questions, please contact me at the phone number below.

Environmental Solutions



Michael Rezvani, REA, CAC
 Principal Consultant



(Attachments)



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LAB. PLM RESULTS



ENVIRONMENTAL SOLUTIONS
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REPORT NO: 53386

CLIENT:

ENVIRONMENTAL SOLUTIONS
2601 E. CHEVY CHASE DRIVE
GLENDALE, CA 91206

DATE: Jul 6, 1998

DATE RECEIVED: Jul 1, 1998

ATTENTION: MICHAEL REZVANI

DATE ANALYZED: Jul 1, 1998

REFERENCE: ES98-037

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 15 Sample(s)

METHODOLOGY: "Method for Determination of Asbestos in Bulk Building Materials."
EPA 600/R-93/116

ACCREDITED: National Institute of Standards and Technology (NVLAP) #101218

CERTIFIED: California Department of Health Services Environmental Testing Laboratory ELAP 1119,
County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
1	NON-FRIABLE FLR TILES/BLDG 54 NO MASTIC	WHITE GRANULAR	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES RESIN
2	NON-FRIABLE MASTIC/BLDG 54	BLACK STICKY	CHRYSTOTILE <1%	NONE DETECTED	GRANULAR MINERALS OPAQUES ORGANICS
3	FRIABLE SAAC/BLDG 54	WHITE FIBROUS WHITE SPONGY	NONE DETECTED	SYNTHETICS 10%	GRANULAR MINERALS OPAQUES
4	FRIABLE SAAC/BLDG 54	WHITE FIBROUS WHITE SPONGY	NONE DETECTED	SYNTHETICS 3%	GRANULAR MINERALS OPAQUES
5	FRIABLE DRYWALL/BLDG 54	BROWN POWDERY BROWN FIBROUS	NONE DETECTED	CELLULOSE 1%	GRANULAR MINERALS OPAQUES
6	NON-FRIABLE DRYWALL MUD/BLDG 54	WHITE GRANULAR	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES

T: Trace >1% = greater than 1% <1% = less than 1%

Optical Microscopist

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing.

This report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

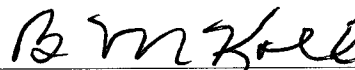
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B.M. Kolk, Laboratory Director

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
7	NON-FRIABLE BASEBOARD BLDG 54	BROWN GRANULAR BROWN FIBROUS	NONE DETECTED	CELLULOSE 30%	GRANULAR MINERALS OPAQUES
8	NON-FRIABLE WINDOW PUDDY/BLDG 54	GRAY GRANULAR	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES
9	FRIABLE MOLD GASKET/YARD	WHITE FIBROUS WHITE STICKY BLACK STICKY BLACK FIBROUS	NONE DETECTED	CELLULOSE 40%	GRANULAR MINERALS OPAQUES
10	NON-FRIABLE ROOF/FELT BLDG 54	BLACK STICKY BLACK FIBROUS	NONE DETECTED	CELLULOSE 30%	GRANULAR MINERALS OPAQUES ORGANICS
11	NON-FRIABLE ROOF/FELT BLDG 54	BLACK STICKY BLACK FIBROUS	NONE DETECTED	CELLULOSE 10%	GRANULAR MINERALS OPAQUES ORGANICS
12	FRIABLE SAAC/BLDG 54	WHITE POWDERY WHITE FIBROUS	NONE DETECTED	CELLULOSE 7%	GRANULAR MINERALS OPAQUES

T: Trace >1% = greater than 1% <1% = less than 1%


Optical Microscopist


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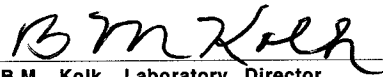
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SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
13	NON-FRIABLE DRYWALL CEIL/BLDG 55	WHITE GRANULAR	NONE DETECTED	CELLULOSE 2%	GRANULAR MINERALS OPAQUES
14	NON-FRIABLE WINDOW PUDDY/BLDG 55	RED GRANULAR	NONE DETECTED	CELLULOSE 1%	GRANULAR MINERALS OPAQUES
15	FRIABLE WINDOW PUDDY/BLDG 56	GRAY GRANULAR	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES

T: Trace >1% :: greater than 1% <1% :: less than 1%


Optical Microscopist


B.M. Kolk, Laboratory Director

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SUBMITTAL FORM/Laboratory Services

PAGE 1 OF 1

TURNAROUND TIME

<8hr. ☐ 24hr. ☒ 48hr. ☐

CLIENT ENVIRO SOLUTIONS

ADDRESS GLENDALE

TELEPHONE (818) 243-2656

CONTACT MIKE REZVANI

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

MISC. INFO. MCDONALD DOUGLAS / TORRANCE FACILITY

NO. OF SAMPLES SENT 15

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER PLM

(FOR EMS ONLY)

EMS Sample No.

CLIENT SAMPLE NO.

DESCRIPTION/LOCATION/ANALYSIS

VOLUME
TIME/WEIGHT
(IF APPLICABLE)

01	FL. TILES / BLDG 54	PLM/DS
02	MAINT / BLDG 54	
03	SAAC / "	
04	SAAC / BLDG 54	
05	DRYWALL / "	
06	DRYWALL MUD / "	
07	BASEBOARD / "	
08	WINDOW PUDDT / "	
09	MOLD GASKET / YARD	
10 & 11	ROOF / FELT / BLDG 54	
12	SAAC / BLDG 54	
13	DRYWALL/CEIL. / BLDG 55	
14	WINDOW PUDDT / BLDG 55	
15	" " / BLDG 56	

15 lines

Laboratory No.

53386

Received By

Kelarting

Time

12:35

Date of Package Delivery

7-1-98

Shipping Bill Retained:

YES ☐

NONE ☒

Condition of Package on Receipt

Good

Condition of Custody Seal

N/A

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples

15

Chain-of-Custody Signature

Date of Acceptance into Sample Bank

7-1-98

Misc. Info.

EMS

Disposition of Samples



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